

# Micrometer Heads

## SERIES 148



148-104

148-132

148-121

### FEATURES

- Ratchet Stop (950700) can be attached.
- Fine spindle feeding type (thread pitch: 0.25mm) is available.

### SPECIFICATIONS

#### Metric

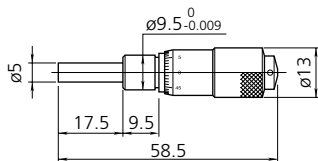
Range	Order No. (plain stem)		Order No. (w/ clamp nut)		Graduation	Accuracy	Remarks
	w/o spindle lock	w/ spindle lock	w/o spindle lock	w/ spindle lock			
0 - 13mm	148-104	148-121	148-103	148-120	0.01mm	±2μm	—
	148-132	—	148-133	—	0.01mm	±2μm	Fine spindle feeding type (Spherical face)
	148-801	148-803	148-802	148-804	0.01mm	±2μm	Spherical face type
	148-821	148-823	148-822	148-824	0.01mm	±2μm	Reverse reading type

#### Inch

Range	Order No. (plain stem)		Order No. (w/ clamp nut)		Graduation	Accuracy	Remarks
	w/o spindle lock	w/ spindle lock	w/o spindle lock	w/ spindle lock			
0 - .5"	148-112	148-123	148-111	148-122	.001"	±.0001"	—
	148-811	148-813	148-812	148-814	.001"	±.0001"	Spherical face type
	148-831	148-833	148-832	148-834	.001"	±.0001"	Reverse reading type

### Dimensions

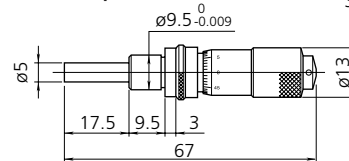
#### Plain stem



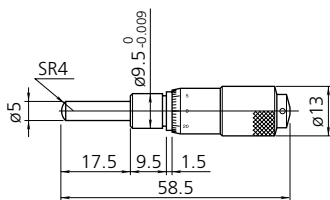
148-104

#### Plain stem, Spindle lock

Unit: mm  
Scale: 1/2

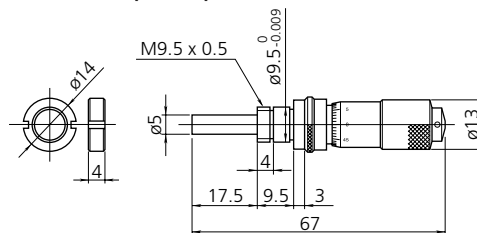


148-121



148-132

#### with clamp nut, Spindle lock



148-120

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